

Work Order ID 127212

Monday, December 15, 2014 11:40:46 AM

127212

Mid-Jan. 9th

Page 1

Item ID: D119-827-011

Accept

N900040100

Setup Start

NS1

Revision ID:

Item Name: Tail Rotor Pedal Lockout

Stop

NS2

Start Date: 12/15/2014 Start Qty: 5.00

5

Cust Item ID:

Required Date: 12/19/2014 Req'd Qty: 5.00

5

Customer:

Reference:

Approvals: Process Plan: *mf.*

Date: *14-12-15*

Tooling:

Date:

Run Start

NR1

QC:

Date:

SPC (Y/N):

Date:

Stop

NR2

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
Draw Nbr	Revision Nbr								
IIN-D119-827	D								
100	Document Control	0.00							
100	DOCUMENT CONTROL								
DC	Memo	0.00							
Doc.Control -USB or Paperwork	Photocopy bluefile & type labels per FPP D119-827-011	CHG002							
110	Pick Kit	0.00							
110									
Packaging	Memo	0.00							
Packaging									
120	QC4- 100% Inspect kits for completeness	0.00							
120									
QC	Memo	0.00							
Quality Control									

DAS
27
9-89

DAS
46
9-89

JAN 09 2015

5x

DAS
27
9-89

5

15/1/17

DAS
27
9-89

DAS
46
9-89

JAN 09 2015

5x

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS <table style="width: 100%;"> <tr> <td>Skid-tube ☐</td> <td>Crosstube ☐</td> <td>Water Jet ☐</td> <td>Engineering ☐</td> </tr> <tr> <td>Machining ☐</td> <td>Small Fab ☐</td> <td>Prod. Eng. Coord. ☐</td> <td>Quality ☐</td> </tr> <tr> <td>Thermoforming ☐</td> <td>Finishing ☐</td> <td>Rec/Store/Packaging ☐</td> <td>Other ☐</td> </tr> <tr> <td>Large Fab ☐</td> <td>Composite ☐</td> <td>Supplier ☐</td> <td></td> </tr> </table>	Skid-tube ☐	Crosstube ☐	Water Jet ☐	Engineering ☐	Machining ☐	Small Fab ☐	Prod. Eng. Coord. ☐	Quality ☐	Thermoforming ☐	Finishing ☐	Rec/Store/Packaging ☐	Other ☐	Large Fab ☐	Composite ☐	Supplier ☐	
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Root Cause	Date	Step	Qty	Description of work order update or non-conformance	Initial Chief Eng	Action Description	Sign & Date	Verification	QC Inspector
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Doc/Data									
Equip/Tooling									
Handling/Pre									
Material									
Operator									
Offset/Setup									
Process									
Supplier									
Training									
Transport									
Unapproved									

FAULT CATEGORY

Landing Gear ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Inspection Strip in Tube ☐ Marks/Chatter ☐ Turning Sequence ☐ Wave/Twist in Tube	General ☐ Bend ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Burrs ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Drawing ☐ Drill Holes ☐ Finish ☐ Fit/Function	☐ Folio/Program ☐ Grain ☐ Hardware ☐ Inspection Incomplete/Unqualified ☐ Instructions Incomplete/Unclear ☐ Misaligned/off center ☐ Mislabeled ☐ Misread ☐ Off-set ☐ Out of Calibration ☐ Out of Sequence
		☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Positioned Wrong ☐ Power Loss/Surge
		☐ Pressure/Forced ☐ Set-up ☐ Temperature/Cure ☐ Weld ☐ Wrong Stock Pulled ☐ Other

Work Order ID 127212

Monday, December 15, 2014 11:40:46 AM

127212

Page 2

Item ID: D119-827-011

Accept

N900040100

Setup Start

NS1

Revision ID:

Item Name: Tail Rotor Pedal Lockout

Stop

NS2

Start Date: 12/15/2014 Start Qty: 5.00

5

Cust Item ID:

Required Date: 12/19/2014 Req'd Qty: 5.00

5

Customer:

Reference:

Approvals:

Process Plan: _____

Date: _____

Tooling: _____

Date: _____

Run Start

NR1

QC: _____

Date: _____

SPC (Y/N): _____

Date: _____

Stop

NR2Sequence ID/
Work Center IDOperation
DescriptionSet Up/
Run Hours

Tool ID

Tool #

Plan
CodeAccept
QtyReject
QtyReject
NumberInsp.
Stamp

130

130

Packaging

Packaging

0.00

Memo

0.00

Identify and pack for shipping as per PPP D119-827-011

Location: FGDADAS
ES
9-99

JAN 09 2015

140

140

QC

Quality Control

QC21- Final Inspection - Work Order Release

0.00

Memo

0.00

15/1/9 df15-1-9

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

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Doc/Data									
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Handling/Pre									
Material									
Operator									
Offset/Setup									
Process									
Supplier									
Training									
Transport									
Unapproved									

FAULT CATEGORY

Landing Gear ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Inspection Strip in Tube ☐ Marks/Chatter ☐ Turning Sequence ☐ Wave/Twist in Tube	General ☐ Bend ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Burrs ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Drawing ☐ Drill Holes ☐ Finish ☐ Fit/Function	☐ Folio/Program ☐ Grain ☐ Hardware ☐ Inspection Incomplete/Unqualified ☐ Instructions Incomplete/Unclear ☐ Misaligned/off center ☐ Mislabeled ☐ Misread ☐ Off-set ☐ Out of Calibration ☐ Out of Sequence	☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Positioned Wrong ☐ Power Loss/Surge ☐ Pressure/Forced ☐ Set-up ☐ Temperature/Cure ☐ Weld ☐ Wrong Stock Pulled ☐ Other
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*Monday, December 15, 2014 11:40:45 AM

Page 1

127212

D119-827-011

Required Date: 12/19/2014

Required Qty: 5.00

Comments: IPP REV:A 12.10.16 AS PER DWG REV.A DD VERF:JFS IPP
REV:B 13-01-09 REV B JLM VERIFIED:DD IPP REV:C
12.10.16 as per CHG002 (ecn 13-538) DD VERF:JFS

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
D4704-041		Manufactured	No			110	Each	0.0000	1	5	DAS 27	JAN 07 2015	DAS 27
5 *D4704-041* Expandable Pin Assembly	DAS 43								**	127247			
D4703-041		Manufactured	No			110	Each	0.0000	2	10	DAS 27	JAN 07 2015	DAS 27
5 *D4703-041* Lock Pin Assembly	DAS 43								**	127200			
D4710-1		Manufactured	No			110	Each	0.0000	1	5	DAS 27	JAN 07 2015	DAS 27
5 *D4710-1* Spacer	DAS 46								**	127249			
D4721-1		Manufactured	No			110	Each	4.0000	1	5	DAS 27	JAN 07 2015	DAS 27
5 *D4721-1* Decal	DAS 43								**				
				<u>Location</u>				<u>Loc Qty</u>		<u>Loc Code</u>			
				ST124				4		B127250			
				121659				4					
AN4-11A		Purchased	No			110	Each	381.0000	2	10	DAS 27	JAN 07 2015	DAS 27
5 *AN4-11A* BOLT	DAS 46								**				
				<u>Location</u>				<u>Loc Qty</u>		<u>Loc Code</u>			
				FG				20					
				120731				20					
				ST325A				361					
				M128362				300					
				M128769				61					

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

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Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS <table style="width: 100%;"> <tr> <td>Skid-tube ☐</td> <td>Crosstube ☐</td> <td>Water Jet ☐</td> <td>Engineering ☐</td> </tr> <tr> <td>Machining ☐</td> <td>Small Fab ☐</td> <td>Prod. Eng. Coord. ☐</td> <td>Quality ☐</td> </tr> <tr> <td>Thermoforming ☐</td> <td>Finishing ☐</td> <td>Rec/Store/Packaging ☐</td> <td>Other ☐</td> </tr> <tr> <td>Large Fab ☐</td> <td>Composite ☐</td> <td>Supplier ☐</td> <td></td> </tr> </table>	Skid-tube ☐	Crosstube ☐	Water Jet ☐	Engineering ☐	Machining ☐	Small Fab ☐	Prod. Eng. Coord. ☐	Quality ☐	Thermoforming ☐	Finishing ☐	Rec/Store/Packaging ☐	Other ☐	Large Fab ☐	Composite ☐	Supplier ☐	
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Doc/Data									
Equip/Tooling									
Handling/Pre									
Material									
Operator									
Offset/Setup									
Process									
Supplier									
Training									
Transport									
Unapproved									

FAULT CATEGORY

Landing Gear ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Inspection Strip in Tube ☐ Marks/Chatter ☐ Turning Sequence ☐ Wave/Twist in Tube	General ☐ Bend ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Burrs ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Drawing ☐ Drill Holes ☐ Finish ☐ Fit/Function	☐ Folio/Program ☐ Grain ☐ Hardware ☐ Inspection Incomplete/Unqualified ☐ Instructions Incomplete/Unclear ☐ Misaligned/off center ☐ Mislabeled ☐ Misread ☐ Off-set ☐ Out of Calibration ☐ Out of Sequence	☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Positioned Wrong ☐ Power Loss/Surge ☐ Pressure/Forced ☐ Set-up ☐ Temperature/Cure ☐ Weld ☐ Wrong Stock Pulled ☐ Other
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Picklist Print

Monday, December 15, 2014 11:40:46 AM

Work Order ID: 127212

127212

Parent Item: D119-827-011

D119-827-011

Parent Item Name: Tail Rotor Pedal Lockout

Start Date: 12/15/2014

Required Date: 12/19/2014

Start Qty: 5.00

Required Qty: 5.00

MS14144L4

Purchased

No

110

Each

5.0000

2

10

DAS

5 *MS14144L4*

DAS
46
9.89

Location

Loc Qty

Loc Code

ST316

5

**

M131231

JAN 27 2015

MS24665-153

Purchased

No

110

Each

105.0000

2

10

DAS

5 *MS24665-153*

DAS
46
9.89

Location

Loc Qty

Loc Code

ST294

105

**

JAN 27 2015

NAS1149D0416J

Purchased

No

110

Each

241.0000

2

10

DAS

5 *NAS1149D0416J*

DAS
46
9.89

Location

Loc Qty

Loc Code

GA

9

**

JAN 27 2015

m126254

9

ST270

232

m125773

232

NAS1149D0463J

Purchased

No

110

Each

6,583.000

8

40

DAS

5 *NAS1149D0463J*

DAS
46
9.89

Location

Loc Qty

Loc Code

CA

397

M129682

397

GA

408

M129390

408

ST260a

5778

M129390

1179

M130799

4599

JAN 27 2015

Monday, December 15, 2014 11:40:46 AM

Shop Packet Print

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

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Doc/Data									
Equip/Tooling									
Handling/Pre									
Material									
Operator									
Offset/Setup									
Process									
Supplier									
Training									
Transport									
Unapproved									

FAULT CATEGORY

Landing Gear ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Inspection Strip in Tube ☐ Marks/Chatter ☐ Turning Sequence ☐ Wave/Twist in Tube	General ☐ Bend ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Burrs ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Drawing ☐ Drill Holes ☐ Finish ☐ Fit/Function	☐ Folio/Program ☐ Grain ☐ Hardware ☐ Inspection Incomplete/Unqualified ☐ Instructions Incomplete/Unclear ☐ Misaligned/off center ☐ Mislabeled ☐ Misread ☐ Off-set ☐ Out of Calibration ☐ Out of Sequence ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Positioned Wrong ☐ Power Loss/Surge ☐ Pressure/Forced ☐ Set-up ☐ Temperature/Cure ☐ Weld ☐ Wrong Stock Pulled ☐ Other
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Picklist Print

Monday, December 15, 2014 11:40:46 AM

Page 3

Work Order ID: 127212

127212

Parent Item: D119-827-011

D119-827-011

Parent Item Name: Tail Rotor Pedal Lockout

Start Date: 12/15/2014

Required Date: 12/19/2014

Start Qty: 5.00

Required Qty: 5.00

NAS6604D16

Purchased

No

110

Each

17.0000

2

10

5 ***NAS6604D16***

DAS

46

Bolt

9.89

**

DAS

27

8.90

JAN 07 2015

Location

Loc Qty

Loc Code

ST261

17

125574

4

m127159

13

10

DQA: _____ Date: _____



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DAS

46

039

4.0 PARTS LIST

-011	Part Number	Description
X	D119-827-011	TAIL ROTOR PEDAL LOCKOUT
1	D4704-041	EXPANDABLE PIN ASSY
2	D4703-041	LOCKOUT PIN ASSY
1	D4710-1	SPACER
1	D4721-1	DECAL
2	AN4-11A	BOLT
2	MS14144L4	NUT
2	MS24665-153	COTTER PIN
2	NAS1149D0416J	WASHER
8	NAS1149D0463J	WASHER
2	NAS6604D16	BOLT

5.0 WEIGHT AND BALANCE

The following are the net weight increases associated with D119-827-011 kit.

Installation	Weight	Longitudinal		Lateral	
		Arm	Moment	Arm	Moment
D119-827-011 ON A109/A119 MODELS	0.52 lb 0.23 kg	32.6 in 0.83 m	16.9 in-lb 0.19 m-kg	-13.1 in -0.33 m	-6.8 in-lb -0.08 m-kg
D119-827-011 ON 206/407 MODELS	0.52 lb 0.23 kg	33.0 in 0.84 m	17.2 in-lb 0.19 m-kg	-12.5 in -0.32 m	-6.5 in-lb -0.07 m-kg